**BRUHAT BENGALURU MAHANAGARA PALIKE**

**Name of Work: Improvements & Asphalting to road at Ramaiah Layout & Soundarya Layout Surroundings in Bagalagunte Ward No 14**

**Job No:014-19-000019** — **Est .Cost Rs. 50.00 lakh**

| Description of Items | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| **KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100mtr. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications Specification No. KRBS 500-1 MORTH Chapter 5 Page No. 158/ Item No. 21.3/ PWD SR 2018-19** | | | | | | | | |
| **1st Main Soundarya Layout** | Sqm | | | | | | | |
| | | 1 | 293.0 | 9.30 | | 2724.90 | | |
| | | | | | | | | |
| | | | | | | **2724.90** | **231.52** | **630868.85** |
| **KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Pg:143, It.No:19.1, PWD SR:2018-19)** | | | | | | | | |
| **1st Main Soundarya Layout** | cum | | | | | | | |
| | | 1 | 293.0 | 9.30 | 0.20 | 544.98 | | |
| | | | | | | | | |
| | | | | | | **544.98** | **235.76** | **128484.48** |
| **Construction of granular sub-base Grading-V as sub base and drainage layers by providing coarse graded crushed stone aggregates of granite / trap / basalt material, mixing in mechanical mix plant at OMC carriage of mixed materials to work site, spreading in uniform layers with motor grader on prepared surface, and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. as per 401 of MORTH V revision (Pg:153, It.No-20.5 PWD SR:2018-19)** | | | | | | | | |
| **1st Main Soundarya Layout** | cum | | | | | | | |
| | | 1 | 293.0 | 9.30 | 0.15 | 408.74 | | |
| | | | | | | | | |
| | | | | | | **408.74** | **1,994.92** | **815393.63** |
| **KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Pg:155, It.No-20.18 PWD SR:2018-19)** | | | | | | | | |
| **1st Main Soundarya Layout** | cum | | | | | | | |
| | | 1 | 293.0 | 9.30 | 0.20 | 544.98 | | |
| | | | | | | | | |
| | | | | | | **544.98** | **2,001.28** | **1090657.57** |



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| | Description of Items | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | RB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black pped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of oad surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (Pg:158, It.No-21.7 PWD SR:2018-19) | | | | | | | | |
| | 1st Main Soundarya Layout | Sqm | | | | | | | |
| | | | 1 | 293.0 | 9.30 | | 2724.90 | | |
| | | | | | | | | | |
| | | | | | | | 2724.90 | | |
| | For BM | | | | | | 2724.90 | 12.72 | 34660.73 |
| | | | | | | | | | |
| 5 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Pg:158, It.No-21.6 PWD SR:2018-19) | | | | | | | | |
| | 1st Main Soundarya Layout | Sqm | | | | | | | |
| | | | 1 | 293.0 | 9.30 | | 2724.90 | | |
| | | | | | | | | | |
| | | | | | | | 2724.90 | 28.62 | 77986.64 |
| | | | | | | | | | |
| 6 | KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed Coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, butexcluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen MORTH/Chapter 5 (Pg:159, It.No-21.11.6 PWD R:2018-19) | | | | | | | | |
| | 1st Main Soundarya Layout | cum | | | | | | | |
| | | | 1 | 293.0 | 9.30 | 0.05 | 136.25 | | |
| | | | | | | | | | |
| | | | | | | | 136.25 | 5,363.60 | 730763.68 |
| | | | | | | | | | |
| 7 | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (Pg:158, It.No-21.7 PWD SR:2018-19) | | | | | | | | |
| | 1st Main Soundarya Layout | Sqm | | | | | | | |
| | | | 1 | 293.0 | 9.30 | | 2724.90 | | |
| | | | | | | | | | |
| | | | | | | | 2724.90 | | |
| | For BC | | | | | | 2724.90 | 12.72 | 34660.73 |
| | | | | | | | | | |



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| | Description of Items | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | 500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, d with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to uired grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve esired compaction as per MORTH specification clause No. 509 complete in all respects complete as per ifications. using40/60 TPH capacity H.M.P. with mechanical paver Gr-II (30-40mm) with 5.4% VG-30 umen (Pg:162, It.No-21.22.6 PWD SR:2018-19) | | | | | | | | |
| | t Main Soundarya Layout | cum | | 293.0 | | | 109.0 | | |
| | | | 1 | 281.0 | 9.30 | 0.04 | 104.532 | | |
| | | | | | | | 104.53 | 7,911.84 | 827040.46 |
| | | | | | | | 109.0 | 7753.92 | 845764.08 |
| 9 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Pg:182, It.No-24.15 PWD SR:2018-19) | | | | | | | | |
| | 1st Main Soundarya Layout | cum | | | | | 68.0 | | |
| | | Sqm | 2.5 | 281.0 | 0.10 | | 70.25 | | |
| | | | | 272 | | | | | 30922.32 |
| | | | | | | | 70.25 | 454.74 | 31945.49 |
| | | | | | | | 68.0 | | |
| | TOTAL | | | | | | | 44,95,742.71 | 4415382.53 |
| 17 | GST 12% | | | | | | | 53,036.13 | 529845.90 |
| 18 | PMC 1% | | | | | | | | 50000.00 |
| 19 | Miscellaneous and unforseen Charges | | | | | | | 112.16 | 4771.56 |
| | | | | | | | | Total | 5000000.00 |

**CERTIFICATE**

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2018-19 & the Approved Data Rate

3 The Provision made in estimate are adequate and essential

4 This area comes under BBMP limits.

Asst Engineer
Ward No: 14
BBMP

Asst Executive Engineer
Bagalagunte Sub-division
BBMP.

Executive Engineer
Dasarahalli-division
BBMP

ಸಂ. EE/DD/AS/55/19-20 ದಿನಾಂಕ: 30/5/19

ರೂ. Rs. 50.00 Lakh

Rupees Fifty Lakh only

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Technically Sanctioned For Rs: 50,00,000/-

Rs. In Words: Fifty lakhs only

Under: P 3518 (2018-19)

Job Code No: DTH-19-000019

Registered as SE No: 34 / 2019-20 subject to conditions contained in Enclosed Memo No. SE/DZ/TS/34/19-20 Dt. 09/23/20

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